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Mary Jane DiPalma

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Mickle et al.

Art Unit: 1651

Serial No.: 09/363,100

Examiner: V. Afremova

Filed: July 29, 1999

Customer No.: 21559

Title: MESENCHYMAL STEM CELL TRANSPLANTATION INTO  
DAMAGED MYOCARDIUM

Assistant Commissioner for Patents  
Washington, D.C. 20231

REPLY TO OFFICE ACTION

In reply to the Office Action mailed October 9, 2001, Applicants submit the following amendments and remarks.

AMENDMENT

Please cancel claims 3, 12, 29, and 30, and amend claims 1, 13, and 25 to read as follows.

B1  
1. (Amended) A method for repairing scarred myocardial tissue, said method comprising administering to myocardial scar tissue a cellular suspension containing mesenchymal stem cells, wherein administration of said cells to said myocardial scar tissue repairs said scarred myocardial tissue.

B2  
13. (Amended) The method of claim 1, wherein said mesenchymal stem cells have not been passaged.

B3  
25. (Twice Amended) A method for repairing scarred myocardial tissue, said method comprising administering to myocardial scar tissue a cellular suspension comprising mesenchymal stem cells that have been cultured *ex vivo*.